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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/717,902	11/21/2003	Kenichi Ao	01-527 7361	
	7590 08/08/2007		EXAMINER	
POSZ LAW GROUP, PLC 12040 SOUTH LAKES DRIVE			LINDSAY JR, WALTER LEE	
SUITE 101 RESTON, VA 20191		ART UNIT	PAPER NUMBER	
10201011, 111			2812	
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			MAIL DATE	DELIVERY MODE
			08/08/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)			
	10/717,902	AO ET AL.			
Office Action Summary	Examiner	Art Unit			
	Walter L. Lindsay, Jr.	2812			
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply					
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR.1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).					
Status					
1) Responsive to communication(s) filed on					
,_	action is non-final.				
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closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims	•				
 4) Claim(s) 1-54 is/are pending in the application. 4a) Of the above claim(s) 15-18 and 34-54 is/are withdrawn from consideration. 5) Claim(s) 19-33 is/are allowed. 6) Claim(s) 1 and 2 is/are rejected. 7) Claim(s) 3-14 is/are objected to. 8) Claim(s) are subject to restriction and/or election requirement. 					
Application Papers					
9) The specification is objected to by the Examiner. 10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.					
Applicant may not request that any objection to the					
Replacement drawing sheet(s) including the correct					
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.					
Priority under 35 U.S.C. § 119					
12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) ☐ All b) ☐ Some * c) ☐ None of: 1. ☐ Certified copies of the priority documents have been received. 2. ☐ Certified copies of the priority documents have been received in Application No 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. WALTER LINDSAY JR. PRIMARY EXAMINER					
Attachment(s)	_				
Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948)	4)				
Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 2/15/2007.	5) Notice of Informal F 6) Other:				

DETAILED ACTION

This Office Action is in response to Applicant's response filed on 6/7/2007.

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 2. Claims 1 and 2 are rejected under 35 U.S.C. 102(b) as being anticipated by Vinal (U.S. Patent No. 4,276,555 dated 6/30/1981).

Vinal shows the structure as claimed in Figs. 3, 7a-7b and 8 and corresponding text as: a semiconductor substrate (8) (col. 8, lines 29-41); and a magnetic impedance device for detecting a magnetic field, wherein the magnetic impedance device is disposed on the substrate (col. 11, lines 32-41) (claim 1). Vinal teaches a periphery circuit for processing an output signal (5) outputted from the magnetic impedance device (col. 8, lines 29-41), wherein the periphery circuit is disposed on the substrate (col. 8, lines 29-41) (claim 2).

Allowable Subject Matter

- 3. Claims 3-14 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.
- 4. Claims 19-33 are allowed.

5. The following is an examiner's statement of reasons for allowance: the prior art, either singly or in combination fails to anticipate or render obvious, the limitations of:

...wherein the magnetic impedance device includes a magnetic layer made of Ni-Fe series alloy film,

wherein the magnetic layer has a length defined as L1 in an energization direction of the alternating current, a width defined as L2 in a perpendicular direction perpendicular to the energization direction, and a thickness of the magnetic layer defined as L3, and

wherein the ratio of the length and the width is defined as α , i.e., α =L1/L2, and the ratio of the width and the thickness is defined as β , i.e., β =L2/L3, as required by claim 19.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Walter L. Lindsay, Jr. whose telephone number is (571) 272-1674. The examiner can normally be reached on Monday-Thursday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael S. Lebentritt can be reached on (571) 272-1873. The fax phone

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number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Walter L. Lindsay, Jr. Primary Examiner Art Unit 2812